

PTO/SB/22 (08-03)  
Approved for use through 7/31/2006, OMB 0851-0031  
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|   |  |  |  |
|---|--|--|--|
| <b>PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)</b> |  | Docket No. (Optional)<br>49950-59824CON4 |  |
| In re Application of <u>Lonnie O. Ingram et al.</u>         |  |  |  |
| Application Number<br>10/001,218                            |  | Filed<br>November 30, 2001               |  |
| For: <u>ETHANOL PRODUCTION IN GRAM-POSITIVE MICROBES</u>    |  |  |  |
| Art Unit<br>1652  |  | Examiner<br>Saidha, T.                   |  |

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.

The requested extension and appropriate non-small-entity fee are as follows (check time period desired):

|  |                  |
|--|------------------|
| <input type="checkbox"/> One month (37 CFR 1.17(a)(1))               | \$ _____         |
| <input type="checkbox"/> Two months (37 CFR 1.17(a)(2))              | \$ _____         |
| <input checked="" type="checkbox"/> Three months (37 CFR 1.17(a)(3)) | \$ <u>950.00</u> |
| <input type="checkbox"/> Four months (37 CFR 1.17(a)(4))             | \$ _____         |
| <input type="checkbox"/> Five months (37 CFR 1.17(a)(5))             | \$ _____         |

☒ Applicant claims small entity status. See 37 CFR 1.27. Therefore, the fee amount shown above is reduced by one-half, and the resulting fee is: \$ 475.00.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☒ The Director has already been authorized to charge fees in this application to a Deposit Account.

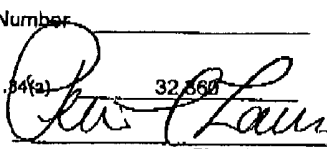
☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 04-1105.

I have enclosed a duplicate copy of this sheet.

I am the ☐ applicant/inventor.  
☐ assignee of record of the entire interest. See 37 CFR 3.71.  
                     Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).  
☐ attorney or agent of record. Registration Number \_\_\_\_\_  
☒ attorney or agent under 37 CFR 1.34(a).  
                     Registration number if acting under 37 CFR 1.34(a) 32,569

June 20, 2004  
Date

(617) 439-4444  
Telephone Number

  
 \_\_\_\_\_  
 Signature  
 Peter C. Lauro  
 \_\_\_\_\_  
 Typed or printed name

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

|  |
|--|
| <input checked="" type="checkbox"/> Total of <u>1</u> forms are submitted. |
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PTO/SB/22 (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| <b>PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)</b> |  | Docket No. (Optional)<br>49950-59824CON4 |  |
| In re Application of    Lonnie O. Ingram et al.             |  |  |  |
| Application Number<br>10/001,218                            |  | Filed<br>November 30, 2001               |  |
| For:    ETHANOL PRODUCTION IN GRAM-POSITIVE MICROBES        |  |  |  |
| Art Unit            1652                                    |  | Examiner            Saidha, T.           |  |

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| <input type="checkbox"/> One month (37 CFR 1.17(a)(1))               | \$ _____             |
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| <input checked="" type="checkbox"/> Three months (37 CFR 1.17(a)(3)) | \$            950.00 |
| <input type="checkbox"/> Four months (37 CFR 1.17(a)(4))             | \$ _____             |
| <input type="checkbox"/> Five months (37 CFR 1.17(a)(5))             | \$ _____             |

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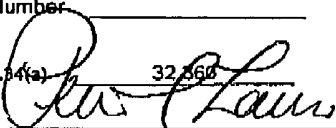
I am the ☐ applicant/inventor.

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Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☐ attorney or agent of record. Registration Number \_\_\_\_\_

☒ attorney or agent under 37 CFR 1.34(a).  
Registration number if acting under 37 CFR 1.34(a)            32,860

June 20, 2004  
 Date

  
 Signature

(617) 439-4444  
 Telephone Number

Peter C. Lauro  
 Typed or printed name

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below

☒ Total of            1            forms are submitted.

PTO/SB/17 (10-03)

Approved for use through 7/31/2006, OMB 0851-0032  
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Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| FEE TRANSMITTAL<br>for FY 2004  |  | Complete if Known    |                           |
|---|--|----------------------|---------------------------|
| Effective 10/01/2003, Patent fees are subject to annual revision.                         |  | Application Number   | 10/001,218                |
|   |  | Filing Date          | November 30, 2004         |
|   |  | First Named Inventor | Lonnice O. Ingram, et al. |
|   |  | Examiner Name        | Saidha, T.                |
|   |  | Art Unit             | 1652                      |
|   |  | Attorney Docket No.  | 49950-59824CON4           |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 |  |                      |                           |
| TOTAL AMOUNT OF PAYMENT (\$)  |  | 585.00               |                           |

| METHOD OF PAYMENT (check all that apply)   | FEE CALCULATION (continued)  |              |          |  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
|--|--|--------------|----------|--|----------|-----------------|----------|----------|----------|----------|----------|------|-----|------|-----|-------------------------------------|--|------|-----|------|-----|--|--|------|-----|------|-----|---------------------------|--|------|-------|------|-------|--|--|------|------|------|------|--|--|-------------------|--------|------|--------|---|------|--|-----|--------------|----|--|--|-----------------|----------|----------|----------|---|----------|------|-----|------|-----|--|--------|------|-------|------|-----|---|--|------|-------|------|-------|--|--|------|-----|------|-----|--|--|------|-----|------|-----|--|--|-------------------|-----|------|-----|--------------------------|------|------|-------|------|-------|---|--|------|-----|------|----|----------------------------------|--|------|-------|------|-----|------------------------------------|--|------|-------|------|-----|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|-------------------------------------|--|------|-----|------|-----|---|--|------|----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|---|--|--|--|--------|-----------------------------------|--|--|--|-------------------|--------|
| <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><input checked="" type="checkbox"/> Deposit Account:<br>Deposit Account Number: <span style="border: 1px solid black; padding: 2px;">04-1105</span><br>Deposit Account Name: <span style="border: 1px solid black; padding: 2px;">Edwards &amp; Angell, LLP</span><br>The Director is authorized to: (check all that apply)<br><input checked="" type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Credit any overpayments<br><input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.   | <b>3. ADDITIONAL FEES</b><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>65</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>850</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td>475.00</td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1808</td><td>180</td><td>1808</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify) 1814 Statutory Disclaimer</td><td>110.00</td></tr> <tr> <td colspan="4" style="text-align: right;">*Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3) (\$)</td> <td>585.00</td> </tr> </tbody> </table> | Large Entity |          | Small Entity   |          | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130 | 2051 | 65  | Surcharge - late filing fee or oath |  | 1052 | 50  | 2052 | 25  | Surcharge - late provisional filing fee or cover sheet |  | 1053 | 130 | 1053 | 130 | Non-English specification |  | 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination |  | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |  | 1805              | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |      | 1251   | 110 | 2251         | 65 | Extension for reply within first month |  | 1252            | 420      | 2252     | 210      | Extension for reply within second month |          | 1253 | 850 | 2253 | 475 | Extension for reply within third month | 475.00 | 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month |  | 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month |  | 1401 | 330 | 2401 | 165 | Notice of Appeal                                   |  | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal                     |  | 1403              | 290 | 2403 | 145 | Request for oral hearing |      | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable |  | 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional |  | 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) |  | 1502 | 480 | 2502 | 240 | Design issue fee |  | 1503 | 640 | 2503 | 320 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |  | 1808 | 180 | 1808 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |  | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) |  | 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  | Other fee (specify) 1814 Statutory Disclaimer |  |  |  | 110.00 | *Reduced by Basic Filing Fee Paid |  |  |  | SUBTOTAL (3) (\$) | 585.00 |
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| Fee Code   | Fee (\$)   | Fee Code     | Fee (\$) |  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
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| 1052   | 50   | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1053   | 130  | 1053         | 130      | Non-English specification  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1812   | 2,520  | 1812         | 2,520    | For filing a request for <i>ex parte</i> reexamination                     |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1804   | 920*   | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1805   | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action                        |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1251   | 110  | 2251         | 65       | Extension for reply within first month                                     |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1252   | 420  | 2252         | 210      | Extension for reply within second month                                    |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1253   | 850  | 2253         | 475      | Extension for reply within third month                                     | 475.00   |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1254   | 1,480  | 2254         | 740      | Extension for reply within fourth month                                    |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1255   | 2,010  | 2255         | 1,005    | Extension for reply within fifth month                                     |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1401   | 330  | 2401         | 165      | Notice of Appeal   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1402   | 330  | 2402         | 165      | Filing a brief in support of an appeal                                     |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1403   | 290  | 2403         | 145      | Request for oral hearing   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1451   | 1,510  | 1451         | 1,510    | Petition to institute a public use proceeding                              |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1452   | 110  | 2452         | 55       | Petition to revive - unavoidable   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1453   | 1,330  | 2453         | 665      | Petition to revive - unintentional   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1501   | 1,330  | 2501         | 665      | Utility issue fee (or reissue)   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1502   | 480  | 2502         | 240      | Design issue fee   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1503   | 640  | 2503         | 320      | Plant issue fee  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1460   | 130  | 1460         | 130      | Petitions to the Commissioner  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1807   | 50   | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1808   | 180  | 1808         | 180      | Submission of Information Disclosure Stmt                                  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 8021   | 40   | 8021         | 40       | Recording each patent assignment per property (times number of properties) |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1809   | 770  | 2809         | 385      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1810   | 770  | 2810         | 385      | For each additional invention to be examined (37 CFR 1.129(b))             |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1801   | 770  | 2801         | 385      | Request for Continued Examination (RCE)                                    |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1802   | 900  | 1802         | 900      | Request for expedited examination of a design application                  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| Other fee (specify) 1814 Statutory Disclaimer  |  |              |          | 110.00   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| *Reduced by Basic Filing Fee Paid  |  |              |          | SUBTOTAL (3) (\$)  | 585.00   |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| <b>1. BASIC FILING FEE</b><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td></td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (1) (\$)</td> <td></td> <td>0.00</td> </tr> </tbody> </table> |  | Large Entity |          | Small Entity   |          | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1001 | 770 | 2001 | 385 | Utility filing fee                  |  | 1002 | 340 | 2002 | 170 | Design filing fee                                      |  | 1003 | 530 | 2003 | 265 | Plant filing fee          |  | 1004 | 770   | 2004 | 385   | Reissue filing fee                                     |  | 1005 | 160  | 2005 | 80   | Provisional filing fee                                 |  | SUBTOTAL (1) (\$) |        |      |        |   | 0.00 | <b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (2) (\$)</td> <td></td> <td>0.00</td> </tr> </tbody> </table> |     | Large Entity |    | Small Entity                           |  | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code                                | Fee (\$) | 1202 | 18  | 2202 | 9   | Claims in excess of 20                 |        | 1201 | 86    | 2201 | 43  | Independent claims in excess of 3       |  | 1203 | 290   | 2203 | 145   | Multiple dependent claim, if not paid  |  | 1204 | 86  | 2204 | 43  | ** Reissue independent claims over original patent |  | 1205 | 18  | 2205 | 9   | ** Reissue claims in excess of 20 and over original patent |  | SUBTOTAL (2) (\$) |     |      |     |                          | 0.00 |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| Large Entity   |  | Small Entity |          | Fee Description  | Fee Paid |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| Fee Code   | Fee (\$)   | Fee Code     | Fee (\$) |  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1001   | 770  | 2001         | 385      | Utility filing fee   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1002   | 340  | 2002         | 170      | Design filing fee  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1003   | 530  | 2003         | 265      | Plant filing fee   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1004   | 770  | 2004         | 385      | Reissue filing fee   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1005   | 160  | 2005         | 80       | Provisional filing fee   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| SUBTOTAL (1) (\$)  |  |              |          |  | 0.00     |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| Large Entity   |  | Small Entity |          | Fee Description  | Fee Paid |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| Fee Code   | Fee (\$)   | Fee Code     | Fee (\$) |  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1202   | 18   | 2202         | 9        | Claims in excess of 20   |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1201   | 86   | 2201         | 43       | Independent claims in excess of 3  |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1203   | 290  | 2203         | 145      | Multiple dependent claim, if not paid                                      |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1204   | 86   | 2204         | 43       | ** Reissue independent claims over original patent                         |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| 1205   | 18   | 2205         | 9        | ** Reissue claims in excess of 20 and over original patent                 |          |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |
| SUBTOTAL (2) (\$)  |  |              |          |  | 0.00     |                 |          |          |          |          |          |      |     |      |     |                                     |  |      |     |      |     |  |  |      |     |      |     |                           |  |      |       |      |       |  |  |      |      |      |      |  |  |                   |        |      |        |   |      |  |     |              |    |  |  |                 |          |          |          |   |          |      |     |      |     |  |        |      |       |      |     |   |  |      |       |      |       |  |  |      |     |      |     |  |  |      |     |      |     |  |  |                   |     |      |     |                          |      |      |       |      |       |   |  |      |     |      |    |                                  |  |      |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |   |  |  |  |        |                                   |  |  |  |                   |        |

\*\*or number previously paid, if greater; For Reissues, see above

| SUBMITTED BY      |                      | (Complete if applicable)          |               |
|-------------------|----------------------|-----------------------------------|---------------|
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|                   |                      | Date                              | July 20, 2004 |